



STAMPED CONCRETE COLOR RESTORATION

RZTORE™ is a unique **three step**, VOC compliant solvent-based color repair system intended to restore and enhance worn or discolored exterior stamped concrete surfaces. **RZTORE** adds small amounts of highly penetrating color and specialty surface minerals to simulate the natural mottling of the integral colors and release agents used in the concrete’s original placement. The **RZTORE** system is ideal for refurbishment of stamped concrete surfaces that have faded in areas from natural weathering exposure, been subjected to chemical or salt attack, abrasion damage from snow removal, or worn down from routine vehicular and foot traffic. **RZTORE** is formulated to apply by sprayer method **ONLY** in an easy three step installation process by use of an acetone resistant pump up sprayer, HVLP gun, or commercial airless sprayer. **RZTORE** will increase the stain resistance and beauty of the concrete with a natural, realistic appearance. **RZTORE** will also allow easier cleaning, maintenance, and extended wear, while adding protection and beauty to the surface. **RZTORE** is engineered primarily for the repair and renovation of stamped concrete patios, driveways or walkways, stamped overlays, and as an alternative finishing system for newly placed stamped concrete or stamped concrete overlays.

BENEFITS:

- **Revives old stamped concrete flatwork with a new, realistic and authentic appearance.**
- **Provides color enhancement of old, worn, or dull substrates with consistent uniformity.**
- **Colors are engineered to match most stamped concrete finishes.**
- **Simple three step process is fast and easy to apply.**
- **Optional Gloss or Matte finishes available.**
- **Can be returned to foot traffic within 8 to 12 hours after installation.**

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Illinois 60901. 90% Content- Harvested within 500 miles.

COLORS: **RZTORE system** is available in 6 distinct earth tone **Color Base** that allow easy shade matching to most concrete surfaces, along with 2 **Accent Antiquing** shades. Please refer to **Color Base** and **Accent Antiquing** color cards for shade options.

COVERAGE: Coverage will vary naturally depending on the porosity and texture of the concrete surface (See Limitations). For best appearance and performance, apply uniformly and at the recommended coverage rates below:

APPLICATION STEPS:	COVERAGE:	DRY TO TOUCH TIMES:
STEP 1: Color Base	400 ft ² /gal	15-30 minutes
STEP 2: Accent Antiquing	200 ft ² /gal	1-2 hours
STEP 3: Surface Seal 1 – PRIMER	250-300 ft ² /gal	1 hour
STEP 3: Surface Seal 2 – TOP COAT	200-300 ft ² /Gal.	3-4 hours

PHYSICAL DATA:	RECOMMENDED WAIT TIMES:
Foot Traffic:	24 hours
Vehicular Traffic:	72 hours

*Drying time assuming 65°–85° F (18°–29° C) at 50% relative humidity. Low concrete or air temperature and/or high relative humidity will extend dry times.

SURFACE PREPARATION: **THE RZTORE SYSTEM IS DESIGNED ONLY FOR RESTORATION OF EXISTING STAMPED CONCRETE SURFACES.** The surface should be thoroughly clean and all of the existing sealer remnants must be removed completely. For complete removal of remnant sealers, we recommend the use of a wet sandblasting extension wand attachment, or a 3,500 psi commercial **HOT** water pressure washer. It is important to ensure that the surface to be treated is completely clean, free of any oil residue, and that pre-applied sealers are completely removed from the surface. For stamped surfaces with little to no sealer remaining, a standard high pressure 4,000 psi **COLD** water pressure washer, with the use of Concrete Earth’s **Clean & Etch C-30** should suffice to ensure a complete clean, porous and unsealed surface.

INTEGRAL MOISTURE ABATEMENT: It is mandatory to apply a single application of Concrete Earth’s **DRYCRETE™ Moisture Stop** to prevent and arrest all potential moisture issues from within the cementitious surface prior to the use of **RZTORE**. Refer to **DRYCRETE™ Moisture Stop** technical data for application and coverage rates.

TEST AREA: The applicator should read all technical data, SDS, application guidelines, and product label before using this product. **A small test area mock up is also recommended on large projects to ensure correct color tone appearance and surface aesthetics.**



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APPLICATION: All RZTORE products are to be applied using solvent resistant, HVLP sprayers. Both **Surface Seal 1 & 2** can be applied using a 3/8" nap roller.

STEP 1 – COLOR BASE: Color Base must be mixed thoroughly before use. Color Base applies best with 0.010 aperture conical ceramic or brass tip. Remove the backflow valve and other filters from sprayers for all RZTORE Steps to prevent clogging.

APPLICATION: Apply Color Base with a circular motion to ensure even color application, keeping the tip approximately 8" to 12" from the surface while spraying. Color Base dries quickly making it easy to identify any areas that may have been missed on the first pass. It is important to note that Color Base is not designed to act as an opaque paint or coating and should not be "over applied" as such. Color Base is formulated as a translucent stain, which does not hide all surface blemishes or defects on the slab. Color Base should not be judged as the final color appearance, as the true color tones and surface uniformity will appear after the application of the **STEP 2 Accent Antiquing**.

It is important to ensure the Color Base is well mixed during the entire installation and in between long down time intervals. If a deeper color tone is needed a second application of Color Base may be applied as long as the surface is at a "tack to touch" stage. Allow all Color Base treated surfaces to dry "to the touch" prior to the second RZTORE step of Accent Antiquing.

STEP 2 – ACCENT ANTIQUING: Accent Antiquing must be mixed thoroughly prior to dispensing into sprayer and kept mixed during the installation. The Accent Antiquing step applies best with a 0.021 aperture conical ceramic or brass tip which will ensure an even coating and proper mottling in deeper stamps. For thinner stamped textures (such as slate), the use of a 0.019 aperture conical ceramic or brass tip can be used to allow correct mottling. It is also important to ensure that you have removed the backflow valve and filter as instructed under Step 1.

APPLICATION: Apply Accent Antiquing in a continuous circular motion to ensure an even application, keeping the tip approximately 12" above the surface while spraying. The Accent Antiquing solution is applied evenly and flows as needed to add different degrees of darkening or highlighting depending on the texture of the surface. Spray continuously to achieve a complete "sheathing" of the surface to achieve a nice antiqued look. DO NOT flood or puddle the surface. Make sure to keep the sprayer at good pressure to ensure proper spray pattern mist and shake the sprayer in between long spraying intervals to keep the Accent Antiquing components properly dispersed. Allow **Accent Antiquing to dry sufficiently to walk on the surface without marring or affecting the application, prior to processing to STEP 3: the application of Surface Seal 1 & 2.**

STEP 3 – SURFACE SEAL (AVAILABLE IN GLOSS or MATTE): Apply **STEP 3 Surface Seal 1 as a Primer, and Surface Seal 2 as the Top Coat**. Surface Seal enhances the Color Base and Accent Antiquing Release applications, and provides extended wear protection. **Surface Seal 1** is a urethane/acrylic compound which provides the needed adhesion and surface prep for the Surface Seal 2 - two part water based urethane, which provides maximum resistance against abrasion wear, stains, chemical attack, and weathering exposure.

Surface Seal 1 & 2 may be applied with an HVLP sprayer, using a bass fan tip, or rolled on with a 3/8" nap roller. If anti-slip protection is desired (recommended) please refer to **Spec Grip** slip resistant fibers TDS, for proper dosing and application instructions. **NOTE: THE ADDITION OF SPEC GRIP TO THE SURFACE SEAL WILL SLIGHTLY LOWER THE GLOSS LEVEL.**

For most applications, a minimum of two coats is required. For heavy traffic & commercial frontage areas, a minimum of three coats of **Surface Seal 2 - Top Coat** is required. Maintain a wet edge during application, and avoid over-spraying or puddling. Surface Seal 2 comes in two formulas: high gloss or matte finish.

CLEAN UP: Clean sprayer when complete with Concrete Earth **B-41 Resolve** solvent solution to keep sprayer tips unclogged for future use.



LIMITATIONS: The **RZTORE SYSTEM** IS DESIGNED FOR THE RESTORATION OF EXISTING STAMPED CONCRETE SURFACES that are fully cured and should not be used on freshly poured (green) concrete due to the potential for excess surface moisture from the curing process. A test area is always recommended to determine product suitability before use, especially on light colored driveways, sidewalks, or patios where appearance is critical. It is not recommended to use **Surface Seal** in areas continually subjected to strong chemicals and/or solvents, such as gasoline or brake fluid. For such applications, please contact Concrete Earth technical service. The use of Concrete Earth's **Spec Grip** anti-slip additive is recommended for increased traction on surface inclines or around consistently wet areas such as deck pool surrounds. Restrict foot traffic for at least 12 hours, 24 hours is preferred.

CAUTIONS: SOME RZTORE COMPONENTS CONTAIN FLAMMABLE LIQUIDS! IT IS RECOMMENDED FOR OUTDOOR USE, and MUST ALWAYS BE APPLIED IN WELL VENTILATED AREAS. Before using, the applicator should read all label, technical data and safety information warnings completely. Store and apply **RZTORE** away from sources of heat, sparks, open flame, cigarettes, and other sources of ignition, taking care to extinguish these sources if present. Keep containers closed until ready to use or when not in use. For proper mixing, use pneumatic (air) powered mixers if mechanical, or manual agitation by shaking or using paint sticks. NO electrical or battery operated mixers should be used with flammable liquids due to chance of spark, and i.

Ensure that proximate HVAC inlet/openings, windows and air intakes are closed to prevent intake of vapors into a building interior. Do not apply **RZTORE** components in or around buildings occupied by non-construction personnel, as the solvent odors may be irritating. **RZTORE** components are not to be applied in or near areas containing food or drink products. These should be removed and only returned after solvent vapors have dissipated. Do not apply **RZTORE** components if rain is expected within 4-6 hours of sealing. Do not apply when concrete surfaces are below 33°F (1°C) and dropping or above 90°F (31°C) and rising. For ideal sealer properties and improved bond, the **RZTORE** components should be applied in early morning or late afternoon time periods and should not be applied in full sun if possible. In cold applications, **RZTORE** components will not freeze but should be warmed ideally to 50°F (25°C) before use. **RZTORE** Surface Seal can be slippery when applied and during drying. Keep all traffic off the treated surface until dry. Protect all grass, foliage and related landscaping from over-spray.

GHS HAZARD RATINGS FOR RZTORE COMPONENTS: WARNING:



**IRRITANT
RESPIRATORY TRACT
IRRITATION**



**HEALTH HAZARD
REPRODUCTIVE TOXICITY**



**HEALTH HAZARD
TOXIC TO AQUATIC LIFE**



**HEALTH HAZARD:
FLAMMABLE LIQUID**

FIRST AID: REFER TO PRODUCT S.D.S. (SAFETY DATA SHEET) FOR COMPLETE HEALTH AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. FOR MEDICAL EMERGENCIES ONLY –CALL INFOTRAC AT 800-535-5053.

WARNINGS & SAFETY INFORMATION: RZTORE COMPONENTS CONTAINS FLAMMABLE LIQUID AND VAPORS! USE ONLY IN WELL-VENTILATED AREAS. BEFORE USING, THE APPLICATOR SHOULD READ ALL LABEL, TECHNICAL DATA AND SAFETY INFORMATION COMPLETELY. STORE AND APPLY AWAY FROM SOURCES OF HEAT, SPARKS, OPEN FLAME, OR IGNITION. AVOID INGESTION, SKIN AND EYE CONTACT OF THE SPRAY MIST. WEAR SAFETY GLASSES OR SPLASH GOGGLES AND PROTECTIVE CLOTHING DURING APPLICATION. ALSO WEAR AN OSHA/NIOSH APPROVED RESPIRATOR WHEN APPLYING AS THE VAPORS EMITTED FROM RZTORE™ COMPONENTS MAY CAUSE RESPIRATORY TRACT IRRITATION. PEOPLE WITH MEDICAL CONDITIONS SHOULD NOT BE EXPOSED TO THE VAPORS OR FUMES. EMPTY CONTAINER MAY CONTAIN EXPLOSIVE VAPORS THAT ARE HEAVIER THAN AIR. DO NOT CUT OR WELD ON OR NEAR EMPTY CONTAINER. REFER TO PRODUCT SDS (MATERIAL SAFETY DATA SHEET) FOR FURTHER HEALTH AND SAFETY INFORMATION. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. FOR MEDICAL EMERGENCIES ONLY, CALL INFOTRAC 800-535-5053.



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H.M.I.S:

RZTORE **Color Base & Accent Antiquing**: HEALTH= 2, FLAMMABILITY= 3, REACTIVITY= 0, PERSONAL PROTECTION= G

RZTORE **Surface Seal 1 - Primer**: HEALTH= 1, FLAMMABILITY= 0, REACTIVITY= 0, PERSONAL PROTECTION= C

RZTORE **Surface Seal 2 - Top Coat (Comp A)**: HEALTH= 2, FLAMMABILITY= 1, REACTIVITY= 1, PERSONAL PROTECTION= G

RZTORE **Surface Seal 2 - Top Coat (Comp B)**: HEALTH= 2, FLAMMABILITY= 1, REACTIVITY= 0, PERSONAL PROTECTION= G

PACKAGING:

RZTORE **Color Base & Accent Antiquing**: 1 gallon metal cans, four cans per case / 5 gallon metal pails: 36 pails / pallet

RZTORE **Surface Seal 1 - Primer**: 1 gallon Plastic bottles, four bottles per case/ 5 gallon plastic pails: 36 pails/pallet

RZTORE **Surface Seal 2 - Top Coat**: 3 gallon kit. (1 gallon pail "A" and 2.0 gallon pail "B")

SHIPPING NAMES:

RZTORE **Color Base & Accent Antiquing**: UN1866, Resin Solution, Flammable, 3, PGIII

RZTORE **Surface Seal 1 - Primer**: Concrete Sealer-Water Base - Not regulated

RZTORE **Surface Seal 2 - Top Coat (Comp A)**: Urethane Coating: Contains: CAS # 028182-81-2 Homo polymer of Hexamethylene Diisocyanate

SHIPPING CLASS:

RZTORE **Color Base & Accent Antiquing**: ITEM 155250, SUB 2, LTL 65 - Concrete Sealing Compound.

RZTORE **Surface Seal 1 - Primer**: ITEM 33880, Sub 2, Freight Class 55

RZTORE **Surface Seal 2 - Top Coat (Comp A)**: ITEM 155250, SUB 2, FREIGHT CLASS 65 – Concrete Coating **NA 3082, Other regulated components, liquid, (Contains Hexamethylene-1,6-Diisocyanate), HC 9, PGIII.**

RZTORE **Surface Sea 2 - Top Coat (Comp B)**: ITEM 155250, SUB 2, FREIGHT CLASS 65 – Concrete Coating. Not Regulated.

STORAGE:

RZTORE **Color Base & Accent Antiquing**: 40° to 90° F (4° to 31° C) Store away from direct sunlight, and sources of spark, ignition, combustion or flame.

RZTORE **Surface Seal 1 - Primer**: 40° to 90° F. Protect from freezing.

RZTORE **Surface Seal 2 - Top Coat (Comp A)**: 60° to 90° F (15.50° to 32.20° C).

RZTORE **Surface Seal 2 - Top Coat (Comp B)**: 60° to 90° F (15.50° to 32.20° C) **MUST BE KEPT FROM FREEZING DURING TRANSIT.** If frozen, the contents may have to be discarded.

SHELF LIFE:

RZTORE **Color Base & Accent Antiquing**: 3 years properly stored.

RZTORE **Surface Seal 1 - Primer**: 1 year properly stored

RZTORE **Surface Seal 2 - Top Coat**: 1 year properly stored.

WARRANTY: Concrete Earth, LLC (CE) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of CE, no other representations or statements made by CE or its representatives, in writing or orally, shall alter this warranty. **CE MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any CE product fails to conform to this warranty, CE will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. CE does not authorize anyone on its behalf to make any written or oral statements which in any way alter CE's installation information or instructions in its product literature or on its packaging labels. **CE explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through CE.** CE has no control over CE application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any CE products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of CE's products for the Buyer's intended purposes. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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